AI & SOCIETY

Volume 5 Number 1
January–March 1991

Contents

Editorial – Shaping of *AI & Society*
Karamjit S. Gill 1

Evaluating Expert System Prototypes
Pål Sørgaard 3

Human Factors in Information Technology: The Socio-Organisational Aspects of Expert Systems Design
Evans E. Woherem 18

Double-Level Languages and Co-operative Working
Mike Robinson 34

Open Forum

'Adaptive' and 'Cooperative' Computer Systems – A Challenge for Sociological Research
Michael Paetau 61

The Making of a Risk Aversive Society
Henry J. Perkinson 70

Book Reviews 74

News Section 85

Springer International

AI & SOCIETY

Volume 5 Number 2
April–June 1991

Contents

Editorial – A Humanistic Agenda for Science and Technology
Karamjit S. Gill .. 91

Interpreting an Intelligent Tutor's Algorithmic Task: A Role for Apprenticeship as a Model for Instructional Design
Denis Newman .. 93

Two Approaches to Developing Expert Systems: A Consideration of Formal and Semi-Formal Domains
Egar A. Whitley .. 110

On a Human-Centred Approach to Database Systems
Brian Lings, Nat Adablah, Lou Foster, Yuanping Jin and Ajit Narayanan .. 128

Open Forum

Expert Systems: The End of the Beginning
Donald Michie .. 142

The Impact of Artificial Intelligence on Leisure
P. R. Churcher .. 147

From AI to Cybernetics
Keizo Sato .. 155

What are Experts For?
Marianne LaFrance .. 161

What are Knowledge Engineers For?
Richard Ennals .. 171

News Section .. 174

Springer International

AI & SOCIETY

Volume 5 Number 3

July–September 1991

Contents

Editorial – Information Technology for Social Citizenship
Karamjit S. Gill 181

Can You Make a Computer Understand and Produce Art?
Roberto Maiocchi 183

ONOMATURGE: An Artificial Intelligence Tool and Paradigm for Supporting National and Native Language Fostering Policies
Ephraim Nissam 201

The Discovery of the Artificial. Some Protocybernetic Developments 1930–1940
Roberto Cordeschi 217

Open Forum

Virtuality as a Basis for Problem Solving?
Gianni Degli Antoni and Rita Pizzi 238

Computers and Gradualness: The Selfish Meme
Roy Rada 245

Book Reviews 254

News Section 260

Springer International

AI & SOCIETY

Volume 5 Number 4

October–December 1991

Contents

Guest Editorial – Technology, Work and Culture
Richard J. Badham 263

'Systemic Rationalization' in Austria: Social and Political Mediation in Technology Use and Work Organization
Georg Aichholzer 277

Human-Centred by Design? The Adoption of CAD in the UK
Ian McLoughlin 296

Joint Organisational and Technical Development of CIM-Systems: An Extension of the Classic Scandinavian Approach
Erling Havn 308

On Using Artificial Intelligence to Integrate the Design of Organizational and Process Change in US Manufacturing
Ann Majchrzak and Les Gasser 321

Engineering Perspectives and Technology Design in the United States
Harold Salzman 339

Book Reviews 357

News Section 360

Indexes to Volume 5 363

Springer International